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50X1-HUM

East Germany

SAG Kabel: Development of Electrical Measuring Instruments at EFEM; [redacted]

1. [redacted] measuring instruments [redacted] developed by the EFEM in 1952. These include the following: voltmeters, ammeters, a fluxmeter, wattmeters, instrument transformers (current), electrometers, an X-ray intensity meter, and galvanometers.

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2. [redacted] General Director of the "Werk Fur Fernmeldewesen 'HF'" Plant (Russian "Long-Range High-Frequency Communications Plant"/, Oberschoneweide, Berlin. [redacted] the EFEM (Entwicklung und Fabrikation Elektrischer Messgeraete- Development and Production of Electrical Measuring Instruments) Plant [redacted] acceptance of an order for development of a recorder for Soviet project 51-27. The instrument should record the characteristics of electrical and acoustical four-terminal networks. In the measuring process, the instrument should record a direct current changing in magnitude and direction [sic]. Technical specifications: width of recording, at least 70 mm; tape feed speed, 2 mm/sec; zero position, middle of tape; sensitivity, not more than 3 ~~ma~~ milliamperes for full deflection, including current through damping shunt; accuracy, Class I.

3. State All-Union Standard GOST 1827-47 for individual voltmeter multipliers, replacing GOST 1827-42. This GOST lists technical specifications for individual and ~~ma~~ calibrated multipliers for extending the measurement range (of voltmeters) to 15,000 v dc. and operating at temperatures from - 15° to + 35° and relative humidities from 30 to 80%. Calibrated multipliers are made for the following rated current values: 3, 7.5, and 30 ma. Multipliers are guaranteed for two years.

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